

Work Order ID 134130

134130

Thursday, July 02, 2015 1:59:25 PM

Page 1

Item ID: D130-701-043.

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 7/02/15 Start Qty: 1.00 *1*

Cust Item ID:

Required Date: 7/17/15 Req'd Qty: 1.00 *1*

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
IIN D130-701	E

100	Document Control	0.00							
-----	------------------	------	--	--	--	--	--	--	--

100

DC

Doc.Control -USB or Paperwork

DOCUMENT CONTROL

Memo

Photocopy blue file and type labels per PPP D130-701-043 CHG006

0.00

0.00

0.00

0.00

0.07

110

Pick Kit

110

Packaging

Packaging

Memo

PICK KIT FOR BASKET ASSEMBLY

120

Small Fab

120

Small Fab

Small Fab

Memo

Assemble as per Dwg IIN-D130-701

Ship 21 July

DAG
27
9-89

DAG
38
9-89

15-07-28

1x of JH 15/07/11

1x of JH 15/07/12

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation		Disposition			
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
		OTHER : ☐			

Work Order ID 134130

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134130

Page 2

Item ID: D130-701-043

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 7/02/15

Start Qty: 1.00

1

Cust Item ID:

Required Date: 7/17/15

Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	QC5- Inspect part completeness to step on W/O	0.00							
130 QC Quality Control	Memo	0.00							DAS 9 9-89
140	Pick Kit	0.00							
140 Packaging Packaging	Memo	0.00							DAS 27 9-89 JUL 20 2015 DAS 02 9-89
150	QC4- 100% Inspect kits for completeness	0.00							
150 QC Quality Control	Memo	0.01							DAS 38 9-89 15-07-28

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
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OTHER : _____																									

Picklist Print

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Work Order ID: 134130

134130

Parent Item: D130-701-043

D130-701-043

Parent Item Name: Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 7/02/15

Required Date: 7/17/15

Start Qty: 1.00

Required Qty: 1.00

D2022-101

Manufactured No

110

Each

194.0000

2

2

D2022-101

Spacer

******all 15/07/15LocationLoc QtyLoc Code

ST002

93

107903

80

129976

13

ST012a

101

132703

101

XL

D2258-220

Manufactured No

110

Each

7.0000

1

1

D2258-220

Placard

******all 15/07/15LocationLoc QtyLoc Code

ST005

7

41266

3

84458

4

XL

D2332-041

Manufactured No

110

Each

16.0000

1

1

D2332-041

Lid Prop Assembly 6.69"

******all 15/07/15LocationLoc QtyLoc Code

FG

2

89226

2

ST367

14

116958

6

132567

8

XL

D2512

Manufactured No

110

Each

0.0000

1

1

D2512

Basket Lid

******B134148(1x) all 15/07/15

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Shop Packet Print

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
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Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER :					

Picklist Print

Thursday, July 02, 2015 1:59:29 PM

Work Order ID: 134130

134130

Parent Item: D130-701-043

D130-701-043

Parent Item Name: Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 7/02/15

Required Date: 7/17/15

Start Qty: 1.00

Required Qty: 1.00

D2530 Manufactured No 110 Each 11.0000 1 1

D2530

Handle Weldment

lll 15/07/15

Location

Loc Qty

Loc Code

ST379

11

B129664

115580

8

lll

125076

3

D2535 Manufactured No 110 Each 66.0000 2 2

D2535

Spring

lll 15/07/15

Location

Loc Qty

Loc Code

ST007

16

x2

124521

16

ST012a

50

131996

50

D2537 Manufactured No 110 Each 68.0000 2 2

D2537

Bushing

lll 15/07/15

Location

Loc Qty

Loc Code

ST008

68

113174

2

123463

45

x2

131896

1

132664

20

D2931 Manufactured No 110 Each 1,741.000 2 2

D2931

Bumper

lll 15/07/15

Location

Loc Qty

Loc Code

ST025A

1741

86435

1741

x2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
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Description Work Order Deviation		Disposition		Completed By	
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Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

Thursday, July 02, 2015 1:59:29 PM

Work Order ID: 134130

134130

Parent Item: D130-701-043

D130-701-043

Parent Item Name: Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 7/02/15

Required Date: 7/17/15

Start Qty: 1.00

Required Qty: 1.00

D3172-041 Manufactured No

110 Each 0.0000 1 1

D3172-041

**

B134142 (x) all 15/07/16

Basket Base Assembly

MS20600-AD4W3 Purchased No

110 Each 467.0000 2 2

MS20600-AD4W3

**

all 15/07/16

Cherry Rivets

Location

Loc Qty

Loc Code

GA

383

11132680

x2

m129795

383

WA003

84

m130018

84

MS21042L3 Purchased No

110 Each 1,640.000 2 2

MS21042L3

**

all 15/07/16

Nut

Location

Loc Qty

Loc Code

FP001

411

M130922

411

GA

444

M131317

444

ST305

785

116549

12

126333

49

M128754

2

M132123

17

M132382

705

VZ

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
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Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Picklist Print

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Thursday, July 02, 2015 1:59:29 PM

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Start Date: 7/02/15

Required Date: 7/17/15

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

110

Each

4,288.000

4

4

MS21042L 4******

Locknut

*all 13/02/15*LocationLoc QtyLoc Code

FP001

2

m124231

2

GA

150

m127813

150

ST260a

3956

m130799

56

m131803

6

m132262

894

m132382

3000

ST305

180

m128300

8

m130388

7

m130922

97

m131618

12

m132123

56

x 4

MS21042L5

Purchased

No

110

Each

466.0000

4

4

MS21042L 5******

Nut

*all 13/02/15*LocationLoc QtyLoc Code

GA

146

m127813

146

ST260a

200

m132256

200

ST305

120

m127813

19

m131340

21

m132123

80

x 4

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Date :		Step #:		QTY Effective :			MRB (QS1042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
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Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
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Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Picklist Print

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Parent Item Name: Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 7/02/15

Required Date: 7/17/15

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0416J

Purchased

No

110

Each

4,777.000

2

2

NAS1149D0416.I

15/02/16

WASHER

Location

Loc Qty

Loc Code

ST270

4777

m131511

4777

x2

NAS1149D0463J

Purchased

No

110

Each

3,683.000

2

2

NAS1149D0463.I

13/07/15

WASHER

Location

Loc Qty

Loc Code

GA

41

M129390

41

ST260a

359

M132317

359

ST269

3283

9222

24

M129682

86

M130799

371

M132035

2802

x2

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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : ☐									

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Work Order ID: 134130

134130

Parent Item: D130-701-043

D130-701-043

Parent Item Name: Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 7/02/15

Required Date: 7/17/15

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0563J

Purchased

No

110

Each

1,414.000

4

4

NAS1149D0563.J

Washer

all 15/02/15

Location

Loc Qty

Loc Code

GA

53

m125807

53

ST260a

1178

m130799

63

m132035

115

m132256

1000

ST269

156

m128257

156

ST271

27

5813

8

m131026

19

x2

NAS1149DN832J

Purchased

No

110

Each

2,080.000

2

2

NAS1149DN832.J

Washer

all 15/02/15

Location

Loc Qty

Loc Code

CA

84

M129499

84

MF4

185

M129541

185

ST260a

1811

M131697

1811

x2

D3180-042

Manufactured

No

140

Each

2.0000

1

1

D3180-042

Strut Assembly, RH

DAS
38
9-89

DAS
27
9-89

DAS
02
9-89

JUL 20 2015

Location

Loc Qty

Loc Code

ST370

2

127897

1

127898

1

B134162

1

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

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Work Order ID: 134130

134130

Parent Item: D130-701-043

D130-701-043

Parent Item Name: Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 7/02/15

Required Date: 7/17/15

Start Qty: 1.00

Required Qty: 1.00

D3180-041 **DAS** Manufactured No

140 Each 2.0000 1 1

D3180-041

Strut Assembly, LH

38
9-89

DAS
27
9-89

DAS
02
9-89

Location

Loc Qty

Loc Code

ST370

2

1

1

B134160

1

D3181-1 **DAS** Manufactured No

140 Each 24.0000 1 1

D3181-1

Bushing

38
9-89

DAS
27
9-89

DAS
02
9-89

JUL 20 2015

Location

Loc Qty

Loc Code

ST024

24

24

18770

1

D4037-1 **DAS** Manufactured No

140 Each 1.0000 1 1

D4037-1

Aft Crossbeam

38
9-89

DAS
02
9-89

Location

Loc Qty

Loc Code

ST471

1

1

132790

B134168

1

Shp

D4037-3 **DAS** Manufactured No

140 Each 1.0000 1 1

D4037-3

Fwd Crossbeam

38
9-89

DAS
02
9-89

Location

Loc Qty

Loc Code

ST471

1

1

106698

B134158

1

Shp
1517/27

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By																																																									
								Lead hand / Supervisor Approval Verification																																																									
								QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

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Work Order ID: 134130

134130

Parent Item: D130-701-043

D130-701-043

Parent Item Name: Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 7/02/15

Required Date: 7/17/15

Start Qty: 1.00

Required Qty: 1.00

D4038-041

DAS
38
9-89
Manufactured No

D4038-041

Angle Assy Fwd LH

140 Each 1.0000 1 1

JA

DAS
02
9-89

Location

Loc Qty

Loc Code

ST508A

1

132530

1

D4038-042

DAS
38
9-89
Manufactured No

D4038-042

Angle Assy Fwd RH

140 Each 2.0000 1 1

DAS
27
9-89

DAS
02
9-89

Location

Loc Qty

Loc Code

st535

2

132396

1

133249

1

D4038-043

DAS
38
9-89
Manufactured No

D4038-043

Angle Assy Aft LH

140 Each 1.0000 1 1

DAS
27
9-89

DAS
02
9-89

Location

Loc Qty

Loc Code

st535

1

132660

1

D4038-044

DAS
38
9-89
Manufactured No

D4038-044

Angle Assy Aft RH

140 Each 1.0000 1 1

DAS
27
9-89

DAS
02
9-89

Location

Loc Qty

Loc Code

ST539

1

132438

1

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

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Work Order ID: 134130

134130

Parent Item: D130-701-043

D130-701-043

Parent Item Name: Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 7/02/15

Required Date: 7/17/15

Start Qty: 1.00

Required Qty: 1.00

D4039-041

Manufactured No

140

Each

1.0000

1

1

D4039-041

Fwd Bracket Assembly

DAS
38
9-89

Location

Loc Qty

Loc Code

ST476

1

132555

1

~~B134156~~
~~B134156~~

**

DAS
02
9-89

SM

D4039-043

Manufactured No

140

Each

0.0000

1

1

D4039-043

Aft Bracket Assembly

DAS
38
9-89

**

DAS
02
9-89

SM

D4040-1

Manufactured No

140

Each

15.0000

4

4

D4040-1

Radius Block

DAS
38
9-89

Location

Loc Qty

Loc Code

ST082

15

132657

14

71128

1

~~B134156~~
~~B134156~~

**

DAS
02
9-89

4

D4090-5

Manufactured No

140

Each

13.0000

1

1

D4090-5

Placard

DAS
38
9-89

Location

Loc Qty

Loc Code

ST087

13

132557

12

67631

1

**

DAS
27
9-89

DAS
02
9-89

JUL 20 2015

1

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

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Work Order ID: 134130

134130

Parent Item: D130-701-043

D130-701-043

Parent Item Name: Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 7/02/15

Required Date: 7/17/15

Start Qty: 1.00

Required Qty: 1.00

AN4-12A	DAS 38 9-89	Purchased	No	140	Each	165.0000	2	2		DAS 27 9-89	DAS 02 9-89
---------	-------------------------------------	-----------	----	-----	------	----------	---	---	--	-------------------------------------	-------------------------------------

AN4-12A

Bolt

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
FG	10	
120423	10	
ST344	155	
M131803	1	
<u>m131957</u>	154	

AN4-7A	DAS 38 9-89	Purchased	No	140	Each	142.0000	1	1		DAS 27 9-89	DAS 02 9-89
--------	-------------------------------------	-----------	----	-----	------	----------	---	---	--	-------------------------------------	-------------------------------------

AN4-7A

Bolt

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST325	142	
m126193	52	
<u>m131320</u>	90	

AN5-10A	DAS 38 9-89	Purchased	No	140	Each	155.0000	16	16		DAS 27 9-89	DAS 02 9-89
---------	-------------------------------------	-----------	----	-----	------	----------	----	----	--	-------------------------------------	-------------------------------------

AN5-10A

BOLT

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
GA	51	
122800	51	
ST299A	102	
<u>132189</u>	50	
5413	4	
M132317	48	
ST338	2	
M131624	2	

JUL 2 0 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mis-labeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Picklist Print

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Work Order ID: 134130

134130

Parent Item: D130-701-043

D130-701-043

Parent Item Name: Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 7/02/15

Required Date: 7/17/15

Start Qty: 1.00

Required Qty: 1.00

MS20002C5

Purchased

No

140

Each

16.0000

8

8

DAS

27

9-89

DAS

02

9-89

MS20002C5

DAS

38

9-89

Washer

Location

Loc Qty

Loc Code

ST314

16

114619

16

8

MS20002C6

Purchased

No

140

Each

60.0000

12

12

DAS

27

9-89

DAS

02

9-89

MS20002C6

DAS

38

9-89

WASHER

Location

Loc Qty

Loc Code

ST314

60

m127831

60

12

MS21042L4

Purchased

No

140

Each

4,288.000

3

3

DAS

27

9-89

DAS

02

9-89

MS21042L4

DAS

38

9-89

Locknut

Location

Loc Qty

Loc Code

FP001

2

m124231

2

GA

150

m127813

150

ST260a

3956

m130799

56

m131803

6

m132262

894

m132382

3000

93

x3

ST305

180

m128300

8

m130388

7

m130922

97

m131618

12

m132123

56

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:15%;">Skid-tube ☐</td> <td style="width:15%;">Cross tube ☐</td> <td style="width:15%;">Water Jet ☐</td> <td style="width:15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																									
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																																																																										
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																																																																										
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																																																																										
Large Fab ☐	Composite ☐	Supplier ☐																																																																											
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval																																																																									
Description Work Order Deviation		Disposition																																																																											
				Completed By																																																																									
				Lead hand / Supervisor Approval Verification																																																																									
				QC / QA Coordinator Approval																																																																									
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Picklist Print

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Work Order ID: 134130

134130

Parent Item: D130-701-043

D130-701-043

Parent Item Name: Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 7/02/15

Required Date: 7/17/15

Start Qty: 1.00

Required Qty: 1.00

MS21042L5

Purchased

No

140

Each

466.0000

24

24

MS21042L 5

Nut

~~DAS~~
38
9-89

~~DAS~~ **DAS**
~~27~~ **02**
~~9-89~~ **9-89**

Location

Loc Qty

Loc Code

GA

146

m127813

146

ST260a

200

~~m132256~~

200

ST305

120

m127813

19

m131340

21

m132123

80

MS21042L6

Purchased

No

140

Each

417.0000

12

12

MS21042L 6

Nut

~~DAS~~
38
9-89

~~DAS~~ **DAS**
~~27~~ **02**
~~9-89~~ **9-89**

Location

Loc Qty

Loc Code

ST260a

199

~~m132262~~

199

ST273A

200

m131624

200

ST305

1

m129909

1

t260a

17

~~m131317~~

17

MS21250-05032

Purchased

No

140

Each

11.0000

4

4

MS21250-05032

Bolt

~~DAS~~
38
9-89

~~DAS~~ **DAS**
~~27~~ **02**
~~9-89~~ **9-89**

Location

Loc Qty

Loc Code

ST298

11

118141

2

m132317

9

JUL 2 0 2015

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Shop Packet Print

Page 14

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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Picklist-Print

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Work Order ID: 134130

134130

Parent Item: D130-701-043

D130-701-043

Parent Item Name: Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 7/02/15

Required Date: 7/17/15

Start Qty: 1.00

Required Qty: 1.00

MS21250-05038

Purchased

No

140

Each

14.0000

4

4

MS21250-05038

Bolt

DAS
38
9-89

**

DAS
27
9-89

DAS
02
9-89

Location

Loc Qty

Loc Code

ST298

14

118141

14

140

Each

28.0000

12

12

MS21250-06018

Purchased

No

MS21250-06018

BOLT

DAS
38
9-89

**

DAS
27
9-89

DAS
02
9-89

Location

Loc Qty

Loc Code

ST298

28

m132317

28

140

Each

3,683.000

5

5

NAS1149D0463J

Purchased

No

NAS1149D0463J

WASHER

DAS
38
9-89

**

DAS
27
9-89

DAS
02
9-89

Location

Loc Qty

Loc Code

GA

41

M129390

41

ST260a

359

M132317

359

ST269

3283

9222

24

M129682

86

M130799

371

M132035

2802

JUL 20 2015

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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			Lead hand / Supervisor Approval Verification																		
			QC / QA Coordinator Approval																		
<table style="width: 100%; border: none;"> <tr> <td colspan="3" style="text-align: center; vertical-align: top;"> Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐ Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ </td> <td colspan="3" style="text-align: center; vertical-align: top;"> FAULT CATEGORY Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐ </td> </tr> </table>						Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐ Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐			FAULT CATEGORY Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐												
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OTHER : _____																					

Picklist Print

Thursday, July 02, 2015 1:59:30 PM

Work Order ID: 134130

134130

Parent Item: D130-701-043

D130-701-043

Parent Item Name: Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 7/02/15

Required Date: 7/17/15

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0563J

Purchased

No

140

Each

1,414.000

40

40

NAS1149D0563.J

DAS

**

DAS

DAS

Washer

38

27

02

9-89

9-89

9-89

Location

Loc Qty

Loc Code

GA

53

m125807

53

ST260a

1178

m130799

63

m132035

115

m132256

1000

ST269

156

m128257

156

ST271

27

5813

8

m131026

19

NAS1149D0663J

Purchased

No

140

Each

1,614.000

12

12

NAS1149D0663.J

DAS 38 89

**

DAS

DAS

Washer

27

02

9-89

9-89

Location

Loc Qty

Loc Code

ST260

547

M131618

547

ST260a

1000

M132256

1000

ST269

67

M126334

67

JUL 20 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation		Disposition			
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☒ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mis-labeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
		OTHER : ☐			

Qty -041	Qty -043	Qty -011	Qty -013	Part Number	Description
	1	1		*D4090-3	PLACARD (ON BASKET LID)
	1	1	1	D4090-5	PLACARD
2	2			*AN3-16A	BOLT
2	2			AN4-12A	BOLT
1	1			*AN4-22A	BOLT
1	1			*AN4-24A	BOLT
3 (2)	3 (2)			+AN4-7A	BOLT
4	16	16	16	AN5-10A	BOLT
4	4			*AN5-17A	BOLT
2				AN5-23A	BOLT
4	4			*AN970-4	WASHER
	8	8	8	MS20002C5	WASHER
	12	12		MS20002C6	WASHER
2	2			*MS20600AD4W3	RIVET
2	2			*MS21042L3	NUT (OR MS21042-3)
7 (4)	7 (4)			+MS21042L4	NUT (OR MS21042-4)
10 (4)	28 (4)	24	24	+MS21042L5	NUT (OR MS21042-5)
	12	12		MS21042L6	NUT (OR MS21042-6)
	4	4	4	MS21250-05032	BOLT
	4	4	4	MS21250-05038	BOLT
	12	12		MS21250-06018	BOLT
2	2			*NAS1149DN832J	WASHER (AN960JD8)
2	2			*NAS1149D0416J	WASHER (AN960JD416L)
7 (2)	7 (2)			+NAS1149D0463J	WASHER (AN960JD416)
16 (4)	44 (4)	40	40	+NAS1149D0563J	WASHER (AN960JD516)
	12	12		NAS1149D0663J	WASHER (AN960JD616)

* Pre-assembled prior to shipping

+ Quantity in () preassembled prior to shipping

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Revision: E

Date: 15.04.22

4. WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D130-701-041 (LH installation)	120 lb 54 kg	- 47.4 in - 1.20 m	- 5688 in-lb - 64.8 m-k-g	133.9 in 3.40 m	16068 in-lb 183.6 m-k-g
D130-701-041 (RH installation)	120 lb 54 kg	+ 47.4 in + 1.20 m	+ 5688 in-lb + 64.8 m-k-g	133.9 in 3.40 m	16068 in-lb 183.6 m-k-g
2 x D130-701-041 (LH and RH installation)	224 lb 102 kg	0.0 in 0.00 m	0 in-lb 0.0 m-k-g	133.9 in 3.40 m	29994 m-k-g 346.8 m-k-g
D130-701-043 (LH installation)	130 lb 59 kg	- 47.4 in - 1.20 m	- 6162 in-lb - 70.8 m-k-g	133.9 in 3.40 m	17407 in-lb 200.6 m-k-g
D130-701-043 (RH installation)	130 lb 59 kg	+ 47.4 in + 1.20 m	+ 6162 in-lb + 70.8 m-k-g	133.9 in 3.40 m	17407 in-lb 200.6 m-k-g
2 x D130-701-043 (LH and RH installation)	235 lb 106.8 kg	0.0 in 0.00 m	0.0 in-lb 0.00 m-k-g	133.9 in 3.40 m	31467 in-lb 363.1 m-k-g
D130-701-013 (Fixed provisions)	25 lb 11.4 kg	0.0 in 0.00 m	0.0 in-lb 0.00 m-k-g	133.9 in 3.40 m	3348 in-lb 38.8 m-k-g

5. PARTS LIST

Qty -041	Qty -043	Qty -011	Qty -013	Part Number	Description
X				D130-701-041	HELI-UTILITY-BASKET
	X			D130-701-043	HELI-UTILITY BASKET
		X		D130-701-011	CONVERSION KIT
			X	D130-701-013	FIXED PROVISIONS KIT
2	2			*D2022-101	SPACER
1	1			*D2258-220	LABEL
1	1			*D2332-041	PROP ASSEMBLY
1	1			*D2512	BASKET LID ASSEMBLY
1	1			*D2530	HANDLE ASSEMBLY
2	2			*D2535	SPRING
2	2			*D2537	BUSHING
2	2			*D2931	BUMPER
1	1			*D3172-041	BASKET BASE ASSEMBLY
2				D3173-041	BEAM ASSEMBLY
1				D3177-041	BRACKET ASSEMBLY
1				D3177-043	BRACKET ASSEMBLY
1	1			D3180-041	STRUT ASSEMBLY, LH
1	1			D3180-042	STRUT ASSEMBLY, RH
1	1			D3181-1	BUSHING
	1	1	1	D4037-1	AFT CHANNEL
	1	1	1	D4037-3	FWD CHANNEL
	1	1	1	D4038-041	ANGLE ASSEMBLY, FWD, LH
	1	1	1	D4038-042	ANGLE ASSEMBLY, FWD, RH
	1	1	1	D4038-043	ANGLE ASSEMBLY, AFT, LH
	1	1	1	D4038-044	ANGLE ASSEMBLY, AFT, RH
	1	1		D4039-041	FWD BRACKET ASSEMBLY
	1	1		D4039-043	AFT BRACKET ASSEMBLY
	4	4	4	D4040-1	RADIUS BLOCK
	1	1		*D4090-1	PLACARD (ON BASKET LID)

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Revision: E

Date: 15.04.22

Ship 21 July

Work Order ID 134130

134130

Page 1

Thursday, July 02, 2015 1:59:25 PM

Item ID: D130-701-043 Accept *N900040100* Setup Start *NS1*
Revision ID: Stop *NS2*
Item Name: Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH

Start Date: 7/02/15 Start Qty: 1.00 *1* Cust Item ID:
Required Date: 7/17/15 Req'd Qty: 1.00 *1* Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN D130-701	E								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy blue file and type labels per PPP D130-701-043 CHG006								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging	PICK KIT FOR BASKET ASSEMBLY								
120	Small Fab	0.00							
120									
Small Fab	Memo	0.07							
Small Fab	Assemble as per Dwg IIN-D130-701								

30 2015/7/28

12 d 15/03/11

12 d 15/07/12